

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU2004/000894

A. CLASSIFICATION OF SUBJECT MATTER																					
Int. Cl. 7: C12Q 1/68 C12N 15/12 G01N 33/52																					
According to International Patent Classification (IPC) or to both national classification and IPC																					
B. FIELDS SEARCHED																					
Minimum documentation searched (classification system followed by classification symbols) SEE ELECTRONIC DATABASES																					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SEE ELECTRONIC DATABASES																					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Medline, CaPlus, Biosis, WPIDS (chromosom?, aberrat?, preimplant?, diagnos?, aneuploid?, flow cytometry, cytometric bead array, bead, micro, particle, multiplex, intensity, size)																					
C. DOCUMENTS CONSIDERED TO BE RELEVANT																					
<table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>WO2002 040698 A (SURROMED INC) 23 May 2002. See whole document.</td> <td>1-23</td> </tr> <tr> <td>X</td> <td>Cook, E.B. <i>et al.</i> 2001. Simultaneous measurement of six cytokines in a single sample of human tears using microparticle-based flow cytometry: allergics vs. non-allergics. <i>Journal of Immunological Methods</i>. 254:109-118. See whole document.</td> <td>1-6</td> </tr> <tr> <td>X</td> <td>Spiro, A. <i>et al.</i> 2000. A bead-based method for multiplexed identification and quantification of DNA sequences using flow cytometry. <i>Applied and Environmental Microbiology</i>. 66(10):4258-4265. See whole document.</td> <td>1-23</td> </tr> </tbody> </table>		Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	WO2002 040698 A (SURROMED INC) 23 May 2002. See whole document.	1-23	X	Cook, E.B. <i>et al.</i> 2001. Simultaneous measurement of six cytokines in a single sample of human tears using microparticle-based flow cytometry: allergics vs. non-allergics. <i>Journal of Immunological Methods</i> . 254:109-118. See whole document.	1-6	X	Spiro, A. <i>et al.</i> 2000. A bead-based method for multiplexed identification and quantification of DNA sequences using flow cytometry. <i>Applied and Environmental Microbiology</i> . 66(10):4258-4265. See whole document.	1-23								
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex																					
<p>* Special categories of cited documents:</p> <table> <tr> <td>"A"</td> <td>document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T"</td> <td>later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E"</td> <td>earlier application or patent but published on or after the international filing date</td> <td>"X"</td> <td>document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L"</td> <td>document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y"</td> <td>document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O"</td> <td>document referring to an oral disclosure, use, exhibition or other means</td> <td>"&amp;"</td> <td>document member of the same patent family</td> </tr> <tr> <td>"P"</td> <td>document published prior to the international filing date but later than the priority date claimed</td> <td></td> <td></td> </tr> </table>		"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family	"P"	document published prior to the international filing date but later than the priority date claimed		
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Date of the actual completion of the international search 16 September 2004	Date of mailing of the international search report 21 SEP 2004																				
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized officer  <b>DAVID OLDE</b> Telephone No : (02) 6283 2569																				

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO1997014028 A (Luminex Corporation) 17 April 1997 See whole document	1-23
A	Wilton, L. 2002. Preimplantation genetic diagnosis for aneuploidy screening in early human embryos: a review. <i>Prenatal Diagnosis</i> . 22:512-518. See whole document.	1-23
A	Lomax, B. <i>et al.</i> 2000. Comparative genomic hybridization in combination with flow cytometry improves results of cytogenetic analysis of spontaneous abortions. <i>American Journal of Human Genetics</i> . 66:1516-1521. See whole document.	1-23
A	Trask, B. <i>et al.</i> 1990. Quantification of the DNA content of structurally abnormal X chromosomes and X chromosome aneuploidy using high resolution bivariate flow karyotyping. <i>Cytometry</i> . 11:184-195. See whole document.	1-23

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# INTERNATIONAL SEARCH REPORT

## Information on patent family members

International application No.

PCT/AU2004/000894

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member					
WO	1997 014028	AU	73989/96	CA	2227895	EP	0852004	
		US	5736330	US	5981180	US	6057107	
		US	6449562	US	6524793	US	2004059519	
WO	2002 040698	AU	37662/02					
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					END OF ANNEX			

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